

**Amendments to the claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (original): A DNA molecule comprising the following elements in a 5' to 3' direction:

- a first restriction endonuclease site,
- a T3 promoter site;
- at least one Tag gene, said Tag gene comprising at least 5 20 mer Tag sequences;
- a Poly A site having at least 21 consecutive A residues, wherein said A residues are on the same strand as said T3 promoter such that when transcription is initiated at the T3 promoter, a Tag RNA transcript is produced having a poly A tail.
- a second restriction endonuclease site which may be the same or different than said first restriction endonuclease site;
- a T7 Promoter on the opposite strand as said T3 promoter.

Claim 2 (original): A DNA molecule according to claim 1 wherein said Tag sequences are selected from Seq. Id. Nos. 1-2050 or their complement.

Claim 3 (currently amended): A DNA molecule according to claim 1 wherein said Tag gene is selected from the group consisting of Tags ~~A, B, C, D, E, F, G, H, I, J, N, O, Q, Tag IN, Tag IQ and Tag IQ-EX~~ SEQ ID NOs. 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2059, 2060, 2061, 2062, 2063, 2064, 2065 and 2066.

Claim 4 (currently amended): A DNA molecule according to claim 1 wherein, said first restriction endonuclease site is SphI (gcatgc), said T3 promoter comprises ~~the following sequence~~ aattaaccctcactaaagg SEQ ID NO. 2067; said Tag gene is selected from the group consisting of Tags ~~A, B, C, D, E, F, G, H, I, J, N, O, Q, Tag IN, Tag IQ and Tag IQ-EX~~ SEQ ID NOs. 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2059, 2060, 2061, 2062, 2063, 2064, 2065 and 2066. IS; said second endonuclease site comprises a PstI site (ctgcag); and said T7 promoter comprises tatagtgcgtgtatta SEQ ID NO. 2068.

Claim 5 (currently amended): A DNA molecule according to claim 1 comprising the sequence, wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2051

geatgcaattaaacectactaaagggagcgaagtaagcttggaactctctagaATTTGATCGTAACTCGGGTGACCA  
ATGACCATATACGGCGTATTAAGGTTGTACCCTCGGTCTCAACTTGTCGTATGGGAC  
TTTCAAGTACCTTAGCTCGTCGGACGCTTTAGATGACTTATCCATAGTCCTAAGTCCG  
GCGCCGGTTAAGCCGCTATTAGCGTGTGTGGACTCTCTCTAGGAGCGGCTTCGCACA  
AATTACTGCTCAATCCTAGATACGTTGCGCTCTTTGGTAAACGGCTCAGATCTTAGC  
ACTCGTGCAAGTTCTACGATGGCAAGTGGTGGCTCGTTCTCGTGTAGAATATCAGCTA  
ATAGGGTTCGGCTCAACAGTGTATCCGGTGGACAAGCACTGACACGCGATGACGTTT  
GTCAAGAGTCGCATAATCTCAGAATCCGTACAGCCGCATCGGGTTCACGGCTATAAA  
ACAGCGTCATCAGCGTAGGGTATCGCTTCGCGTGTGCATGACTTGGGCCACGTCTCTC  
TCTCGCACATTAGGCTAGATTgtcgacccgggaattccggaaaaaaaaaaaaaaaaaaaaaactgcagcgtaccagctt  
tccctatagtgagtgctatta.

Claim 6 (currently amended): A DNA molecule according to claim 1 comprising the sequence, wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2052

geatgcaattaaacectactaaagggagcgaagtaagcttggaactctctagaTTTAGTCGTTAGCCCGAGCTTAAC  
TATTAGCGTCGGTGCTATATCCTTACCGCGTATGGAGTAGCCTTCCCGAGCATTGTGTC  
TACCTTACCGTCAAGAAAACCATCGACTCACGGGATATTGACCAAACCTGCGGTGCG  
ATTAACCTCGACTGCCGCGTGAACAACGATGAGACCGGGCTAAGGCACGTATCATAT  
CCCTAATTCGCTGAATAGTGCCCTACATATCCTAATACAGGCGCGACGAACCTTATA  
CTCGATGGAAGACAGTTATACCCATGCATAAAGCTCTATACTCCGAGAACTAGCATC  
TAAGCACTCGGCTCTAATGTAAAGTGCTCGACCACAGATCGAAGGTCGGAACTCCAG  
TGCCAAGTACGATGGCTCACGTCTTATTTGGGCCGCCAGAGTTATGTTTGAGTCTTC  
GATGTATGCGCTCGTTGCCCTATTGTTGTGTGGATCTTCTAGTTgtcgacccgggaattccgg  
aaaaaaaaaaaaaaaaaaaaaactgcagcgtaccagcttccctatagtgagtgctatta.

Claim 7 (currently amended): A DNA molecule according to claim 1 comprising the sequence, wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2053

geatgcaattaaacectactaaagggagcgaagtaagcttggaactctctagaTGTGATAATTTTCGACGAGGCGTTA  
CATATTCTGAGAGGGGTGATTAAAGTCTGCTTCGGCCTGGGATGGTCTGTCTACGTGT

GCGTAGTTCTGTCATAGCGTCGAGGATTCTGAACCTGTCCATAGTATCCTGTAAGCG  
TCCAATGTACCTATATCGTGGACCCAAAGTCGATACGTCCGATTAAGCGACGTTGGT  
CTAGGTAACGAATTATACCCTCGGGTTACGAATTATGGCTGTGCCTAACGAATCTGG  
GACGTGCCTAAGTAATCTGGTCCGCGACTAAGATGTACGGTGATCGTGGACGCTTGA  
CCGGACTTATGCGTCGCCTTCCGAGTTATTGGATGGCGTTCCGTCCTATTGGATACTA  
TTCCGTGCGTGTGCGACACGTTCCGAGCATATGCTAACAGTTCGTCACTATGTAAC  
GCTTGACGTAGATTGCTATCAGGTTACGATGACTGCTAAGCCATTACGCGACATTCT  
GCAAAGTTACGTGCGATTCTCTCACGTTACGGCTGATTCTCTAGGCTTACGCGCATG  
AGCTCTAGGTTCCGGGTACTATCGAACGTGTCATTGGTACTgtgacecegggaattecgaaaaa  
aaaaaaaaaaaaaactgeaggegtaceagettteetatagtgagtegtatta.

Claim 8 (currently amended): A DNA molecule according to claim 1 comprising the sequence,  
herein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2054

geatgeaattaaceeteactaaagggacgegtacgtaagettggateetetagaATAGACTAGCCTGCCGGTCAATA  
ACTGATGACGCGGAGTCAACCTGATAACCCATAGCGGAACAGTCTAACCTACGCGA  
GATACGTCTTACCGCACATAGGTAACCTATTCGTGACTAGCAGGCCTTATTCCGGTG  
CTATGAGTATCTTACCTGGTCTAGGTATCTAATTCGTGAGTCGGGTACTACATTCGTG  
CGATGGGTCCTCGCTTCGTCTATGAGGTCTCGTCTTCGTGAGTGCAATGTATCCGAA  
GTCGTAGTGATAATATGGAAGTACGGCGGATTTGACGAACGTATGCCGCATATTCCG  
AACGTCGCCTGGAAATTCGCCACCTAGATCGAAATTATCGGAAGTTCGTGCTTATTT  
ACGAACCTTGGGAGCCGTTCCCTAAAGCTGAGTCTGGTTTCTTATTAGCGAGGAGCAT  
TTCGTGAATACTGAGCCGAATATCGTAAGACATCCGCGAGCGACTGTAAACTAATCG  
GGGAAGTTATTATAGAGCCGGTCCAGGTCTTGAACGACGTgtgacecegggaattecgaaaaa  
aaaaaaaaaaaaaactgeaggegtaceagettteetatagtgagtegtatta.

Claim 9 (currently amended): A DNA molecule according to claim 1 comprising the sequence,  
wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2055

geatgeaattaaceeteactaaagggacgegtacgtaagettggateetetagaCCATCCGATTAAATACCGTGGATT  
ACGTTAAGTTACGGCGGTTGACTTAGTTATGCGAGGTTTCGCTTACGTTGCATAGCGG  
ATCGCTTAACCTCTATGCGTACAGCTTACCTACTATGCGTGCAAGTTACCGAGCTGA  
CGTCGCGTTAGACAGCTCATTCGTACGTTTAGGACTATGTCTGAAGCGTTTCGACCA

TGTCGTCTAGCTTAATACCTCTGCGTCTCAGTTAATAGTACGGGCAATCCGTTATGTA  
AAGGGTGACCACGTTTCAGAAGCTGCCATATACTTACACAGCAGGCGATCACGTTA  
GATCCACTGCGTCACGTTACCTACATGATCGATCCGATTACAGGCCGATCCATCGGA  
TTACACACGAGTCCTGCACGTTAGAACACTGGCTCGCGGCTTAGATCAGCTTCCCTC  
GCTGGAGATCGAATACGCCCAGCTWAGAGCGAATTGCGGGCGCGTTTCGACATAATTG  
CCGACGCTTCGACAGAATTGTAGGCGATTCTAGCCAATTGCACGTCGTATTAGGTAG  
TCACTCTCGACCTAGCGTAAGGATCCACGATCCTAGAGTCGGgtegaceegggaatteeggaaaa  
aaaaaaaaaaaaaaaaaactgcaggegtaccagettteetatagtgagtegtatta.

Claim 10 (currently amended): A DNA molecule according to claim 1 comprising the sequence,  
wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2056

geatgcaattaacceteactaaagggaegegtaegtaagettggateetetagaACGCGGTCCTCAGCATATAGTC  
GTTGCACCTAGTTGATAGTCGCGGATTCTAGTTATGGCGTCGGATTAGACCGGATCA  
CCCGGACATGGACGTTAAGTATCCGGCCTGGACGACAATAATTCGGCGGTGCCTCA  
CAATATTCCGAGAACTCTGCATCAATTCGGGCTAGTCGTACCTGAACGGGCATCAGT  
CGAATCTCTTCGTGGCTAGTCTGTGACGTCCGTGGTTCATCGTGTCAACACGCGGTA  
CATGAGTCAAAGTCCGAATAGCTCGCGCAACGTCCGTCTAGCTGGATCAACCTATCC  
CTGAGTCTATATGCGTACCAATGGATGCGGTCTCCTCCGACTGAGTATGCGTTCCTC  
GGACTGGATCAGCTATCCACGAGCTGTAATCCGGTACTAGGGTGTATCGCCTGTTAC  
TAGGTTAGACAGTCGTGTACTCGGTTAGACTGATGGTCAACGACCTATACTGACAGC  
ATACGAGACGTGACGACTGCATAGTGGTCCGTCTGACACATCTCCTCGTTGGTAGTA  
CGTGCCCCGTATGGATAGGGCTCTAGCCCGCTATGGTGAGTCTAATCGCCGTTGGTC  
TGTATGCAGTGCGGTATGGTTCCTCTCAGTCACGTATGGTTCGCTGCTGTCCGTCATG  
TGTTAGATGCgtegaceegggaatteeggaaaaaaaaaaaaaaaaaactgcaggegtaccagettteetatagtgagtegt  
atta.

Claim 11 (currently amended): A DNA molecule according to claim 1 comprising the sequence,  
wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2057

geatgcaattaacceteactaaagggaegegtaegtaagettggateetetagaATGCAGCGTAGGTATCGACTCTCA  
CTGTGGAGTCGTCTATGATGTCGTGGAGTCCTCTCAGAGTGCTGTAGGTCCTCATAG  
GTCGTGCTGTCTCTCTACACGCGTGCGTGAGTCTACATTTCTGCGAGTTGGTGCTCTC

ACTGCGGTGTCAGTGATCTCTCCGCGTGTGACATGAGTCTAGCTTCGCGGTCATGGT  
 CTATCCCAGCGATGGATGAGACTACTCTGTACTAGATGGTCATGCCTGCGAATGAGT  
 CGTCAGTGCCCAACAATGTCTCGATAGTGCGCCGAATGTGTCTGTAATGCCTCGAATG  
 TGTAAATCGTCAACTCGTATGTGAAGTGCTAGGCTAGTATTGACATCTACGGGCGGCT  
 ATTGACGAACTCTCCGGTATATGCTCTACATCTGCAGGGAATTGCCGACCATATATG  
 GGTCTTGCTGATACGCTAGGGTGCTTGCTACTTAGATAGGCGTCTTGCCCGCTATTC  
 GCGGCGTGTCTCAGAATATGCGCGACGTGTCTGGTATATGGCGACTGTGTCCGTCTA  
 TACGCATACTGGTCCACATATAGACATACTTCCACGACATGACAAAGCGTGCTCCTA  
 CATAGCACGAGCGTCTCCTAAATAGATCCGGTCTTATCGCTGAATGTCTAGGATTCT  
 CGTCAATGATCTACGATCCTCGCTAAGTATTCAGCCACCTCGTATAGTATTCGCGCA  
 CCTGAGGATTTATTCACCTGACTCGCGTATAATATGCCGTCACCTAGTCTAgtgacccggg  
 gaattccgggaaaaaaaaaaaaaaaaaaaaaactgeagggtaaccagcttccctatagtgagtegtatta.

Claim 12 (currently amended): A DNA molecule according to claim 1 comprising the sequence,  
 wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2058

geatgcaattaaacctcaactaaagggaegtaegtaagcttgatcctctagaGATATGCGTTACGTGAGTCTGATA  
 GCAGTTCACTACCTGGATATCTGATCCACTAGCTCGATCATGCTCACCCATAGTTTAT  
 CTGCATCACTCGTACTGAAATGCTCACATCGCAGGTAGAGCAGCATCGTAGAGCGTC  
 AAGCTGCATCCTAGCGTCATGAGTCATAGTACCTCATGCTCACGTGATCTACCTAG  
 CTGACCGCTAATGACGGCAGTGCAACCTGAGATACCGACGGCATACTGTCTGTC AAC  
 GTCAGGCAATGTGTCCGAACGGCGAGCTACGTCGCCTCACGGAGTAATCGCGTCCCT  
 CTAGGTATAGTGCCGTCGGTTCAGGTTCATATGTCTCGCGGGTTCTGCACATATCACGGA  
 CGTATCGCTATCAGACGGACGCTCTCGGACCTAAACCGTAGCTCTCGGCAAGATCGT  
 CCTCGTCTCGAATATAGCGCCCTAGTGCTGCAAATGTCACCGCTATCTCGTAAGGGG  
 TCCGTCTGTTGAGTTAGGCCTCCTCTCGTTGGATGTGAGCTCGGTTGCTTGGATGGTG  
 CAGCTTACTTCGCGTACCTGCTGTTTGCATCAGTCCTCTGCATCTATAATCGCGTATC  
 TCTCTCTAGTAGACCATATAGCCATCTAAGCGCTCGATATTCCACCTAAGTGCGGCC  
 TATTGAACTAAGTGGCAGCCGAATGGACTATCGCTCCTCGATATGTACGGATAGGCC  
 ACGGCATGTACGAGCATAAGCCGAACCTGCACGAGCATAACCGACACTGATCTGAGA  
 GTCGCTTAAATCATCTGCGTGTCTTAGAGCTTATCGCCATGTCTGTCAACTGTACTGT

CATCCTGTAACTGTAGCGTATGTGgtegacecegggaattceggaaaaaaaaaaaaaaaaaaaaaactgeaggegta  
eeagetticeetatagtgagtegtatta.

Claim 13 (currently amended): A DNA molecule according to claim 1 comprising the sequence,  
wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2059

geatgcaattaacecteaactaaagggaegegtaeagtaagettggatectetagaGATAAGCGTTCACAGCTCGGCAA  
TACCTGTGACGAGCTGCTCGCAAGATTTACGCAGTGTGGCTATACTTGACAGTGATG  
GGCCTTACTTCAGATGTATGGGTGATACTTCGCTATATGGGTGGTCACTTCTCTATGG  
CGCGTGACAATGTACTATGGAGCGGTCAATGTCAGTACGGATCGCGTCGATCTAGGT  
GACTACGCACGCCTCTGGAGTAAATCGARWGCTCCGTGCGAAATACGCGGTCAATCG  
TGCGAATAACCGAGTCATCGTGAGTAGTATGAACGTGTCGTGTTATGCAGCGGTATG  
TCGTGCTATAATGGCGTCTGTCGTGCTCATAAGGTTCCCTCTGATGTGCTAGACGTGTC  
CATCGAGCTGCATAGCTATACTTCGAGTCACTTGGGATACTTCGATAGCGTTGTGAA  
TAGTGTCGTAGGCTCTCGGGCACGTTGYTAAACTGTTGCCGCCAATTCAAGATTAGT  
CCAGCTCGTACTATCGAATAACCCATCGTTCGTATCGAATAATCGCACCTCGTAGGAG  
TCAGTTGCCACTCGTTGATAGTCAACCAAGCTCGTTAGATAGTAGCCCAGATCCTAC  
GAGATGAGCTACGTAACCTACAGTGATAGCATATAGGGTACGCTAGAATGCCAGGTG  
GTAGTCGAATTAGTCAGGTTGGATGTCTACTAGTTGACTTGGAGTATGCCATGAAGA  
CTCGTCCCTCGATATCAATACTCGTCCGCAGGTGAACACTGTAGTCGGTGCTAGTGCC  
CCACTTCTCGGTATGTGTCCTCAATTATCGAGTAGGATTCTAATCAATCGTCGCGGGCT  
CACTAATYGTCTGCGGTGGCTACTAATGGTTACGGTGCCCTGACTAATCGTGTAGGTG  
TCTAATACATCGTGATACGGGCGATATAATGCTCGATACGGCAAATATAGCTCCGTC  
CGGTgtegacecegggaattceggaaaaaaaaaaaaaaaaaaaaaactgeaggegtaeagetticeetatagtgagtegtatta.

Claim 14 (currently amended): A DNA molecule according to claim 1 comprising the sequence,  
wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2060

geatgcaattaacecteaactaaagggaegegtaeagtaagettggatectetagaCAATGATAGGCTAGTCTCGCGCA  
GTACATGGTAGTTCAGCCAATAGATGCCTAGTACGCTGACGGCATTGAGAGTACGCT  
GATCGGCTTATGACGTATGTGACGCAGCTCTTAGCGCAATGTATGTGCTGTTATCGA  
AGCCTATGGCTGAGTATGTAACGCTATGGCGTGCTAGTCGTCTCATATACGTCTGAT  
GACCTCGTATCATGTTATAGGGCTGCCAACTGTTCGATGATGGTCACGACTCTGTCTGA

TAGCTGTGTGACTCATTGAGAAGGTGTGCAGCCTATATGATACGCAGTCGCATCCTA  
TCTTACGTGTCAGTACTATGTGTGAGTGCTCCGCCCTAGTGCTGATGTATGCCCCATA  
GTGCTCAGTGGAGTCTCTCTTAGCATAGTGTCCGCTCATACATTAGATGGACGGCTC  
ATTAGTATCATCGTCGGCTGATATAGGTCGTGGCTCCCTGTATATCGAGGTGAGTCT  
ATCTGGATCAACGTCGCACCTATGATGTGCAAAGTGTCTCCATGTATAGACAGTGCG  
CGTATCATATAGGATGCGGCGATCTCATACAGCGTTACGGTCGCTGCGTACTGTATA  
AGGATGCTCTGTGAACTGTCATCGGTCCGATCAATTAGTCTAGTGTGCGTTATTGAG  
ATCGAGTGAGTACATGATTCGTGAGTGTGGATCAATTACAGTTAGGCCGCTGACACA  
TTAGTAACGTCGGCAAGCACTTAGTCTGTGCTAAGCCAGTGTGTCTGTCTTAGAC  
GACTGTGTGTGATTCTCGAGCGATTTATACATCCGTGACAGCGTTTATAGTGTGCTG  
ACAGACTGGTTGGTTATCCAATGATCGACCTGGAGTCTAATATCTGACCACGCCTTG  
TAATCGTATGACACGCGCTTGACACGACTGAATCCAGCTTAAGAGCCCTGCAACGC  
GATATACAGGCGCTGCTACCGATATgtegaceegggaatteeeggaaaaaaaaaaaaaaaaaaaaaaetgeaggeg  
taaceagettteecetatatgtgagtegtatta.

Claim 15 (currently amended): A DNA molecule according to claim 1 comprising the sequence,  
wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2061

geatgeaattaacccctactaaagggaeggegtacgtaagettggatectetagaAGATCGCAGGGTATCGCATCGAC  
AGACCTGGTATCGTCGTGACGAACGTGCTACTCGCTTATCGGGCCTGCTACATCAGT  
GGCGATGTTGCTAACCCTTAGCCGATCTTCTTACTTACGAGGCTACTATTGATCAA  
ACTCGCCTATCTGGTAATAACTGCGGTGATCTGGTAGCCACTACGTGCGCCTGGTAG  
CAAATACGGCGAGCTGGTATCACTATCGGCTCAGTGGTCCGACATAGTGCCCAGTGG  
TTCGCATAACTGCCGCTGGGTCCAATATAACACGCAGTCGTCAATCATAAGAGCCGA  
TGGTCAGCAATAGCGCCTGTGGTGACACTATGCCACCTCTGGTCTAATATAGCGCCC  
TGTGGTCTGATAATCGAGCGCGTAATCGTATATYCGACTGTAGGTGCGTAACTCGCG  
ACTAGGTGGCTCTAATCTGCGTTGGTTGTCGCTCACAGTGTCTGGTGTTCGATACCCG  
GATCGGGTTCCGTAATCTTGGCATCGAGGTTTCGTACATGTCACGCGGTCTCGTTTCAT  
TCTCGGTGGTGCTCAGTACATCCAGTGGTGAGTCGCTACATCACACGGTGATCCGGC  
TAAACCTCTGGGCATCCGTATTAAGCGACATTCTACGACTTATCAGCACGTCTCTAC  
GGTATAACAAGGCGTGCTACGGTCTAACGACGCTGGTAGCAGTCTATCAGATCGCTA  
GTACGAGTTAGAGATGCTTAGTACGCCTTCGAATCTATGATGCTCGTGCTCACGCGA

TGCACTCGGATTATGGCACATGCACTCGCGTAATGACGCTGCATCGCTCAGTATGAT  
CCATGAGCGCCGTGAATGACGCATGAGCCTCGTATCGAGTGCATGAGCTGTCTTTCA  
CATGATACATCGCTCTAAATCATCATGCGACAGTCTCGACAGCAGCTCAGCATCTAT  
GCATCATGTGCCTCACTAGGACATCATGCTCGACTCTGAGACACTGATCGAGCATT  
AGACg~~teg~~aceegggaat~~te~~eggaaaaaaaaaaaaaaaaaaaaaetgeaggegtaceagett~~te~~ectatagt~~gag~~tegtatta.

Claim 16 (currently amended): A DNA molecule according to claim 1 comprising the sequence,  
wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2062

geatgeaattaaceeteaetaaagagaegegtae~~gta~~agettggatectetagaCTCTGTGTCATGATCGTGAGTTGT  
CGCAGTGTCTGTACCAATACTCTGGTGGAGCTATATAAGCCGCTGTTGCGTAAATCA  
ACGGCATGATCCCTATGACCGCGTCATGCTAACTGATACACGCTGCTCGAACAGTGA  
TACGCACACTGATAACTATGCGCAGACGCTTGAAACGATGTGACATCGCTTCTAGAG  
TATGAGCCGCAATGCACGACTGATACTCGATATGAGCAGCAGTCGGCTATGATTTCG  
AATGCTTGCAGTATGTATCCTGATCGTGCGTGCGATGTCTGATAATACGCTCGCATG  
ATATGTATTGCGCTCAGATGCTGGAGATATGCCATGCCGTGCTGTCAGTATGCCATGT  
ATGCTGATATGTGCGGATCTATGTGGTGACTATGAGATCCATGTGATGACGTTGCAG  
TCTCTGTGACCTTATCGACGCGCATGTGAGCCTATAGACAGCGATGTGAGCACTCTC  
ATCTGCCGATCAGTCTATCCTCGCTGATGCTCAGTGATACACGCTGATGCACGTAGT  
GAGCATCCTGTGCTCGCATATACCGCTGCTGCACTGATATGAGCCAGTGCTGCTGCT  
CTCTACGGAGTGTGCTCGGCTATAACAGCGAGTGCTACGCCTAAACTGGCTGTCTAG  
CACTGTAGCTGGTGCATGTACTCGACTGCCGCTGCATCTACTATAAGACTCTGACAT  
TAGCGTATAGGCTGATACATTAGCTCGGATGCTATCAGCTTGCGCCTATTATATGCC  
TGACGCGGGATCTATCAGAACGACTCGGTAGCTCATATACTGGATCACGGTGCCACA  
ACATGCTACACGAGGTCTCAGACTCTATCCCGTGGACTCAACGTGCATCTGCTATGC  
TGAGCGCGTATCTGTGTACCTGTCCGATGCTCTGATCTACACTGCCGTGATCGTTATA  
TGACGAGACTGTGCGCTCATAGCCGACACTGTGCTCGATAAGACCACGCTGTGCGG  
ATATAg~~teg~~aceegggaat~~te~~eggaaaaaaaaaaaaaaaaaaaaaetgeaggegtaceagett~~te~~ectatagt~~gag~~tegtatta.

Claim 17 (currently amended): A DNA molecule according to claim 1 comprising the sequence,  
wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2063



geatgeaattaaacectcaactaaagggaegegtacgtaagettggatectetagaCTAGTGCATCCTCGTGGCATCATG  
 CGTCTCCTCAGTAGGTCTGCGACTGATCCTAGTGCAATGCGTCTGAGCCTGAGCTAC  
 AGCGATATAGCCTGGATTGTGAGCGTATTTGCTGTCAGAACCTCAGCTCATCATGTA  
 TGATGCTGTACCATCCTGCGATACTGAAGATGCACCGCTATAATGCGAGGCTCTCCG  
 CTAAAGTGGAAGCTGCTCGTTCTCAATGCGAGCGAGTCGAATCCAATGCCGTAGCTG  
 CGATAACGATGCCGCTGACTCTACGGTAATGCACGATCCTCTACATTGATAGCAGAT  
 AGTCTAACGGGATAGCATAGGTGCAAGGCTCCTAGCATGTAGTCACAGGTGCTCAG  
 ATATAGTCATCGCTGCAATCAGCTAGTCATCTTGTGTCAGGATGCTACTCACTGCGTGC  
 AGAAGATTTCGCACGACTTCAGAGGATGGCACTCGTCATTAGAGTGATGTTCTCGGAT  
 CGACACTGCTGGTCTGCGAATGACTCGCATTCACTAACATGGAGCATCGTTATCTAA  
 AGGGGATGCACGTTATCGTCGAGTGGCCCGTCATGTCTATGCAGTGCGGCCTATGTCT  
 CATTAGCGAGTCGTATGTATCATGTGCGGGCTCGAATGTTGCACACGTCTGCGTAATG  
 GTGACCGCTAGTCCASATGGTGCTTCGTAGCCACAAATGTCGTTAGGTAGACCGAC  
 GTTATCGCGCTATACCCGATGTCAACGCGAGTTAGACCGTATCGTCCCCAGTGCCCT  
 AAGATGGTCAAGCGTGCTCCTACGTTAGTATCAGTTTCCCTATTGGTACGTCTGGCG  
 TACTTCTGAAACGTGATGGGCGGCTGGTTACCCGTATATGGGCTCGGTTGACCTCTA  
 TTGGGCGTTGTTGACCCGAATTCGGTATCCTCGTCGTTAAATGGCGAACGTCGTCTG  
 CTATAGGCAAACGTCTGTGCGGTCAATGGCAAATGTTACTCGTGTGTGCAAGAAATTAC  
 TCGCTGTCgtegaceegggaatteeggaaaaaaaaaaaaaaaaaaaaaactgcaggegtaccagettteectatagtgagtegtatta.

Claim 18 (currently amended): A DNA molecule according to claim 1 comprising the sequence,  
 wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2064

geatgeaattaaacectcaactaaagggaegegtacgtaagettGATAAGCGTTCACAGCTCGGCAATACCTGTG  
 ACGAGCTGCTCGCAAGATTTACGCAGTGTGGCTATACTTGACAGTGATGGCGCTTAC  
 TTCAGATGTATGGGTGATACTTCGCTATATGGGTGGTCACTTCTCTATGGCGCGTGA  
 CAATGTACTATGGAGCGGTCAATGTCAGTACGGATCGCGTCGATCTAGGTGACTACG  
 CACGCCTCTGGAGTAAATCGAGTGCTCCGTGCGAAATACGCGGTCACTCGTGCGAATA  
 ACCGAGTCATCGTGAGTAGTATGAACGTGTGCTGTTATGCAGCGGTATGTCGTGCTA  
 TAATGGCGTCTGTGCTGCTCATAAGGTTCCCTCTGATGTGCTAGACGTGTCCATCGAG  
 CTGCATAGCTATACTTCGAGTCACTTGGGATACTTCGATAGCGTTGTGAATAGTGTC  
 GTAGGCTCTCGGGCACGTTGTTAAACTGTTGCCGCCAATTCAAGATTAGTCCAGCTC

GTACTATCGAATACACCATCGTCGTATCGAATAATCGCACCTCGTAGGAGTCAGTTG  
 CCACTCGTTGATAGTCAACCAAGCTCGTTAGATAGTAGCCCAGATCCTACGAGATGA  
 GCTACGTAACCTACAGTGATAGCATATAGGGTACGCTAGAATGCCAGGTCGTAGTCG  
 AATTAGTCAGGTTGGATGTCTACTAGTTGACTTGGAGTATGCCATGAAGACTCGTCC  
 CTCGATATCAATACTCGTCCGCAGGTGAACACTGTAGTCGGTGCTAGTGCCCACTTC  
 TCGGTATGTGTCCTCAATTATCGAGTAGGATTCTAATCAATCGTCGCGGCTCACTAA  
 TTGTCTGCGGTGGCTACTAATGGTTACGGTGCCTGACTAATCGTGTAGGTGTCTAAT  
 ACATCGTGATACGGGCGATATAATGCTCGATACGGCAAATATAGCTCCGTCCGGTGG  
 ATCCAGATCGCAGGGTATCGCATCGACAGACCTGGTATCGTCGTGACGAACGTGCTA  
 CTCGCTTATCGGGCCTGCTACATCAGTGGCGATGTTCTGTAACCCTTAGCCGATCTTCT  
 TACTTACGAGGCTACTATTTCGATCAAACCTCGCCTATCTGGTAATAACTGCGGTGATC  
 TGGTAGCCACTACGTGCGCCTGGTAGCAAATACGGCGAGCTGGTATCACTATCGGGCT  
 CAGTGGTCCGACATAGTGCCCACTGGTTCGCATAACTGCCGCTGGGTCCAATATAAC  
 ACGCAGTCGTCAATCATAACGAGCCGATGGTCAGCAATAGCGCCTGTGGTGACACTAT  
 GCCACCTCTGGTCTAATATAGCGCCCTGTGGTTCGTATAATCGAGCGCGTAATCGTAT  
 ATCCGACTGTAGGTGCGTAACCTCGCGACTAGGTGGCTCTAATCTGCGTTGGTTGTCG  
 CTCACAGTGTCTGGTGTTCGATACCCGGATCGGGTTCCGTAATCTTGGCATCGAGGT  
 TTCGTACATGTCACGCGGTCTCGTTCATTCTCGGTGGTGCTCAGTACATCCAGTGGTG  
 AGTCGCTACATCACACGGTGATCCGGCTAAACCTCTGGGCATCCGTATTAAGCGACA  
 TTCCTACGACTTATCAGCACGTCCCTACGGTATAACAAGGCGTGCTACGGTCTAACGA  
 CGCTGGTAGCAGTCTATCAGATCGCTAGTACGAGTTAGAGATGCTTAGTACGCCTTC  
 GAATCTATGATGCTCGTGCCTCACGCGATGCACTCGGATTATGGCACATGCACTCGCG  
 TAATGACGCTGCATCGCTCAGTATGATCCATGAGCGCCGTGAATGACGCATGAGCCT  
 CGTATCGAGTGCATGAGCTGTCTTTCACATGATACATCGCTCTAAATCATCATGCCA  
 CAGTCTCGACAGCAGCTCAGCATCTATGCATCATGTGCCTCACTAGGACATCATGCT  
 CGACTCTGAGACACTGATCGAGCATTAAAGACtctagageggeegegaetagtgagegacccccggg  
 aatteeeggaaaaaaaaaaaaaaaaaaaaaaactgeaggegtaceagettccetatatgtgagtegtatta.

Claim 19 (currently amended): A DNA molecule according to claim 1 comprising the sequence,  
 wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2065

geatgeaattaaceeteactaaagggaegegtaegtaagettGATAAGCGTTACACAGCTCGGCAATACCTGTG  
ACGAGCTGCTCGCAAGATTTACGCAGTGTGGCTATACTTGACAGTGATGGCGCTTAC  
TTCAGATGTATGGGTGATACTTCGCTATATGGGTGGTCACTTCTCTATGGCGCGTGA  
CAATGTACTATGGAGCGGTCAATGTCAGTACGGATCGCGTCGATCTAGGTGACTACG  
CACGCCTCTGGAGTAAATCGAGTGCTCCGTGCGAAATACGCGGTCACTCGTGCGAATA  
ACCGAGTCATCGTGAGTAGTATGAACGTGTCTGTATTATGCAGCGGTATGTCTGTGCTA  
TAATGGCGTCTGTCTGTGCTCATAAGGTTCCCTCTGATGTGCTAGACGTGTCCATCGAG  
CTGCATAGCTATACTTCGAGTCACTTGGGATACTTCGATAGCGTTGTGAATAGTGTG  
GTAGGCTCTCGGGCACGTTGTTAAACTGTTGCCGCCAATTCAAGATTAGTCCAGCTC  
GTACTATCGAATACACCATCGTCGTATCGAATAATCGCACCTCGTAGGAGTCAGTTG  
CCACTCGTTGATAGTCAACCAAGCTCGTTAGATAGTAGCCCAGATCCTACGAGATGA  
GCTACGTAACCTACAGTGATAGCATATAGGGTACGCTAGAATGCCAGGTCTAGTCTG  
AATTAGTCAGGTTGGATGTCTACTAGTTGACTTGGAGTATGCCATGAAGACTCGTCC  
CTCGATATCAATACTCGTCCGCAGGTGAACACTGTAGTCGGTGCTAGTGCCCACTTC  
TCGGTATGTGTCCTCAATTATCGAGTAGGATTCTAATCAATCGTCGCGGCTCACTAA  
TTGTCTGCGGTGGCTACTAATGGTTACGGTGCCCTGACTAATCGTGTAGGTGTCTAAT  
ACATCGTGATACGGGCGATATAATGCTCGATACGGCAAATATAGCTCCGTCCGGTGG  
ATCCAGATCGCAGGGTATCGCATCGACAGACCTGGTATCGTCGTGACGAACGTGCTA  
CTCGCTTATCGGGCCTGCTACATCAGTGGCGATGTTCTGTAACCCTTAGCCGATCTTCT  
TACTTACGAGGCTACTATTTCGATCAAACCTCGCCTATCTGGTAATAACTGCGGTGATC  
TGGTAGCCACTACGTGCGCCTGGTAGCAAATACGGCGAGCTGGTATCACTATCGGCT  
CAGTGGTCCGACATAGTGCCCAGTGGTTCGCATAACTGCCGCTGGGTCCAATATAAC  
ACGCAGTCGTCAATCATAACGAGCCGATGGTCAGCAATAGCGCCTGTGGTGACACTAT  
GCCACCTCTGGTCTAATATAGCGCCCTGTGGTTCGTATAATCGAGCGCGTAATCGTAT  
ATCCGACTGTAGGTGCGTAACTCGCGACTAGGTGGCTCTAATCTGCGTTGGTTGTG  
CTCACAGTGTCTGGTGTTCGATACCCGGATCGGGTTCCGTAATCTTGGCATCGAGGT  
TTCGTACATGTACGCGGTCTCGTTCATTCTCGGTGGTGCTCAGTACATCCAGTGGTG  
AGTCGCTACATCACACGGTGATCCGGCTAAACCTCTGGGCATCCGTATTAAGCGACA  
TTCCTACGACTTATCAGCACGTCCTACGGTATAACAAGGCGTGCTACGGTCTAACGA  
CGCTGGTAGCAGTCTATCAGATCGCTAGTACGAGTTAGAGATGCTTAGTACGCCTTC  
GAATCTATGATGCTCGTGCTCACGCGATGCACTCGGATTATGGCACATGCACTCGCG

TAATGACGCTGCATCGCTCAGTATGATCCATGAGCGCCGTGAATGACGCATGAGCCT  
CGTATCGAGTGCATGAGCTGTCTTTACATGATACATCGCTCTAAATCATCATGCCA  
CAGTCTCGACAGCAGCTCAGCATCTATGCATCATGTGCCTCACTAGGACATCATGCT  
CGACTCTGAGACACTGATCGAGCATTAAAGACTCTAGACTCTGTGCCATGATCGTGAG  
TTGTCCGAGTGTCTGTACCAATACTCTGGTGGAGCTATATAAGCCGCTGTTGCGTAA  
ATCAACGGCATGATCCCTATGACCGCGTCATGCTAACTGATACACGCTGCTCGAACA  
GTGATACGCACACTGATAACTATGCGCAGACGCTTGAAACGATGTGACATCGCTTCT  
AGAGTATGAGCCGCAATGCACGACTGATACTCGATATGAGCAGCAGTCGGCTATGA  
TTTGCAATGCTTGCAGTATGTATCCTGATCGTGCGTGCGATGTCTGATAATACGCTCG  
CATGATATGTATTGCGCTCAGATGCTGGAGATATGCCATGCGTGCTGTGAGTATGCC  
ATGTATGCTGATATGTGCGGATCTATGTGGTGACTATGAGATCCATGTGATGACGTT  
GCAGTCTCTGTGACCTTATCGACGCGCATGTGAGCCTATAGACAGCGATGTGAGCAC  
TCTCATCTGCGGATCAGTCTATCCTCGCTGATGCTCAGTGATACACGCTGATGCACG  
TAGTGAGCATCCTGTGCTCGCATATAACCGCTGCTGCACTGATATGAGCCAGTGCTGC  
TGCTCTCTACGGAGTGTGCTCGGCTATAACAGCGAGTGCTACGCCTAACTGGCTGT  
CTAGCACTGTAGCTGGTGCATGTACTCGACTGCCGCTGCATCTACTATAAGACTCTG  
ACATTAGCGTATAGGCTGATACATTAGCTCGGATGCTATCAGCTTGCGCCTATTATA  
TGCCTGACGCGGGATCTATCAGAACGACTCGGTAGCTCATATACTGGATCACGGTGC  
CACAAACATGCTACACGAGGTCTCAGACTCTATCCCGTGGACTCAACGTGCATCTGCT  
ATGCTGAGCGCGTATCTGTGTACCTGTCCGATGCTCTGATCTACACTGCCGTGATCGT  
TATATGACGAGACTGTGCGCTCATAGCCGACACTGTGCTCGATAAGACCACGCTGTG  
CGGATATAGTCGACCTAGTGCATCCTCGTGGCATCATGCGTCTCCTCAGTAGGTCTG  
CGACTGATCCTAGTGCAATGCGTCTGAGCCTGAGCTACAGCGATATAGCCTGGATTG  
TGAGCGTATTTGCTGTCAGAACCTCAGCTCATCATGTATGATGCTGTACCATCCTGC  
GATACTGAAGATGCACCGCTATAATGCGAGGCTCTCCGCTAAAGTGGAAGCTGCTC  
GTTCTCAATGCGAGCGAGTCGAATCCAATGCCGTAGCTGCGATAACGATGCCGCTGA  
CTCTACGGTAATGCACGATCCTCTACATTGATAGCAGATAGTCTAACGGGATAGCAT  
AGGTGCAAGGCTCCTAGCATGTAGTCACAGGTGCTCAGATATAGTCATCGCTGCAAT  
CAGCTAGTCATCTTGTGAGGATGCTACTCACTGCGTGCGAGAAGATTGCGACGACTTC  
AGAGGATGGCACTCGTCATTAGAGTGATGTTCTCGGATCGACACTGCTGGTCTGCGA  
ATGACTCGCATTCCTAAACATGGAGCATCGTTATCTAAAGGGGATGCACGTTATCGT

CGAGTGGCCGTCATGTCTATGCAGTGCGGCCCTATGTCTCATTAGCGAGTCGTATGTA  
TCATGTCGGGCTCGAATGTTGCACACGTCTGCGTAATGGTGACCGCTAGTCCCACAT  
GGTGCTTCGTAGCCACAAATGTCGTTAGGTAGACCGACGTTATCGCGCTATAACCCGA  
TGTCAACGCGAGTTAGACCGTATCGTCCCCAGTGCCCTAAGATGGTCAAGCGTGCTC  
CTACGTTAGTATCAGTTTCCCTATTGGTACGTCTGGCGTACTTCTGAAACGTGATGGG  
CGGCTGGTTACCCGTATATGGGCTCGGTTGACCTCTATTGGGCGTTGTTGACCCgaatte  
eggaaaaaaaaaaaaaaaaaaaaaactgcagggtaccagetttccctatagtgagtgattta.

Claim 20 (original): A DNA molecule according to claim 1 further comprising at least two additional restriction sites.

Claim 21 (currently amended): A DNA molecule according to claim 20 comprising the sequence wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2066

geatgeaattaacceteactaaagggaeggtacgtaagettGATAAGCGTTCACAGCTCGGCAATACCTGTG  
ACGAGCTGCTCGCAAGATTTACGCAGTGTGGCTATACTTGACAGTGATGGCGCTTAC  
TTCAGATGTATGGGTGATACTTCGCTATATGGGTGGTCACTTCTCTATGGCGCGTGA  
CAATGTACTATGGAGCGGTCAATGTCAGTACGGATCGCGTCGATCTAGGTGACTACG  
CACGCCTCTGGAGTAAATCGAGTGCTCCGTGCGAAATACGCGGTCATCGTGCGAATA  
ACCGAGTCATCGTGAGTAGTATGAACGTGTCGTGTTATGCAGCGGTATGTCGTGCTA  
TAATGGCGTCTGTGCTGCTCATAAGGTTCCCTCTGATGTGCTAGACGTGTCCATCGAG  
CTGCATAGCTATACTTCGAGTCACTTGGGATACTTCGATAGCGTTGTGAATAGTGTC  
GTAGGCTCTCGGGCACGTTGTTAAACTGTTGCCGCCAATTCAGATTAGTCCAGCTC  
GTACTATCGAATACACCATCGTCGTATCGAATAATCGCACCTCGTAGGAGTCAGTTG  
CCACTCGTTGATAGTCAACCAAGCTCGTTAGATAGTAGCCCAGATCCTACGAGATGA  
GCTACGTAACCTACAGTGATAGCATATAGGGTACGCTAGAATGCCAGGTCGTAGTCG  
AATTAGTCAGGTTGGATGTCTACTAGTTGACTTGGAGTATGCCATGAAGACTCGTCC  
ETCGATATCAATACTCGTCCGCAGGTGAACACTGTAGTCGGTGCTAGTGCCCACTTC  
TCGGTATGTGTCCTCAATTATCGAGTAGGATTCTAATCAATCGTCGCGGCTCACTAA

TTGTCTGCGGTGGCTACTAATGGTTACGGTGCCTGACTAATCGTGTAGGTGTCTAAT  
ACATCGTGATACGGGCGATATAATGCTCGATACGGCAAATATAGCTCCGTCCGGTGG  
ATCCAGATCGCAGGGTATCGCATCGACAGACCTGGTATCGTCGTGACGAACGTGCTA  
CTCGCTTATCGGGCCTGCTACATCAGTGGCGATGTTTGGTAACCCTTAGCCGATCTTCT  
TACTTACGAGGCTACTATTTCGATCAAACCTCGCCTATCTGGTAATAACTGCGGTGATC  
TGGTAGCCACTACGTGCGCCTGGTAGCAAATACGGCGAGCTGGTATCACTATCGGCT  
CAGTGGTCCGACATAGTGGCCAGTGGTTCGCATAACTGCCGCTGGGTCCAATATAAC  
ACGCAGTCGTCAATCATACGAGCCGATGGTCAGCAATAGCGCCTGTGGTGACACTAT  
GCCACCTCTGGTCTAATATAGCGCCCTGTGGTTCGTATAATCGAGCGCGTAATCGTAT  
ATCCGACTGTAGGTGCGTAACTCGCGACTAGGTGGCTCTAATCTGCGTTGGTTGTCTG  
CTCACAGTGTCTGGTGTTCGATACCCGGATCGGGTTCCGTAATCTTGGCATCGAGGT  
TTCGTACATGTCACGCGGTCTCGTTCATTCTCGGTGGTGCTCAGTACATCCAGTGGTG  
AGTCGCTACATCACACGGTGATCCGGCTAAACCTCTGGGCATCCGTATTAAGCGACA  
TTCCTACGACTTATCAGCACGTCTACGGTATAACAAGGCGTGCTACGGTCTAACGA  
CGCTGGTAGCAGTCTATCAGATCGCTAGTACGAGTTAGAGATGCTTAGTACGCCTTC  
GAATCTATGATGCTCGTGCTCACGCGATGCACTCGGATTATGGCACATGCACTCGCG  
TAATGACGCTGCATCGCTCAGTATGATCCATGAGCGCCGTGAATGACGCATGAGCCT  
CGTATCGAGTGCATGAGCTGTCTTTCACATGATACATCGCTCTAAATCATCATGCCA  
CAGTCTCGACAGCAGCTCAGCATCTATGCATCATGTGCCTCACTAGGACATCATGCT  
CGACTCTGAGACACTGATCGAGCATTAAAGACTCTAGACTCTGTGCCATGATCGTGAG  
TTGTGCGCAGTGTCTGTACCAATACTCTGGTGGAGCTATATAAGCCGCTGTTGCGTAA  
ATCAACGGCATGATCCCTATGACCGCGTCATGCTAACTGATACACGCTGCTCGAACA  
GTGATACGCACACTGATAACTATGCGCAGACGCTTGAAACGATGTGACATCGCTTCT  
AGAGTATGAGCCGCAATGCACGACTGATACTCGATATGAGCAGCAGTCGGGCTATGA  
TTTGCAATGCTTGCAGTATGTATCCTGATCGTGCGTGCGATGTCTGATAATACGCTCG  
CATGATATGTATTGCGCTCAGATGCTGGAGATATGCCATGCGTGCTGTGCTCAGTATGCC  
ATGTATGCTGATATGTGCGGATCTATGTGGTGACTATGAGATCCATGTGATGACGTT  
GCAGTCTCTGTGACCTTATCGACGCGCATGTGAGCCTATAGACAGCGATGTGAGCAC  
TCTCATCTGCGGATCAGTCTATCCTCGCTGATGCTCAGTGATACACGCTGATGCACG  
TAGTGAGCATCCTGTGCTCGCATATAACCGCTGCTGCACTGATATGAGCCAGTGCTGC  
TGCTCTCTACGGAGTGTGCTCGGCTATAACAGCGAGTGCTACGCCTAAACTGGCTGT

CTAGAACTGTAGCTGGTGCATGTACTCGACTGCCGCTGCATCTACTATAAGACTCTG  
ACATTAGCGTATAGGCTGATACATTAGCTCGGATGCTATCAGCTTGCGCCTATTATA  
TGCCTGACGCGGGATCTATCAGAACGACTCGGTAGCTCATATACTGGATCACGGTGC  
CACAACATGCTACACGAGGTCTCAGACTCTATCCCGTGGACTCAACGTGCATCTGCT  
ATGCTGAGCGCGTATCTGTGTACCTGTCCGATGCTCTGATCTACACTGCCGTGATCGT  
TATATGACGAGACTGTGCGCTCATAGCCGACACTGTGCTCGATAAGACCACGCTGTG  
CGGATATAGTCGACCTAGTGCATCCTCGTGGCATCATGCGTCTCCTCAGTAGGTCTG  
CGACTGATCCTAGTGCAATGCGTCTGAGCCTGAGCTACAGCGATATAGCCTGGATTG  
TGAGCGTATTTGCTGTCAGAACCTCAGCTCATCATGTATGATGCTGTACCATCCTGC  
GATACTGAAGATGCACCGCTATAATGCGAGGCTCTCCGCTAAAGTGGAAGCTGCTC  
GTTCTCAATGCGAGCGAGTCGAATTCAATGCCGTAGCTGCGATAACGATGCCGCTGA  
CTCTACGGTAATGCACGATCCTCTACATTGATAGCAGATAGTCTAACGGGATAGCAT  
AGGTGCAAGGCTCCTAGCATGTAGTCACAGGTGCTCAGATATAGTCATCGCTGCAAT  
CAGCTAGTCATCTTGTGAGGATGCTACTCACTGCGTGCAGAAGATTCGCACGACTTC  
AGAGGATGGCACTCGTCATTAGAGTGATGTTCTCGGATCGACACTGCTGGTCTGCGA  
ATGACTCGCATTCACTAACATGGAGCATCGTTATCTAAAGGGGATGCACGTTATCGT  
CGAGTGGCCGTCATGTCTATGCAGTGCGGCCCTATGTCTCATTAGCGAGTCGTATGTA  
TCATGTGCGGGCTCGAATGTTGCACACGTCTGCGTAATGGTGACCGCTAGTCCCACAT  
GGTGCTTCGTAGCCACAAATGTCGTTAGGTAGACCGACGTTATCGCGCTATACCCGA  
TGTCAACGCGAGTTAGACCGTATCGTCCCCAGTGCCCTAAGATGGTCAAGCGTGCTC  
CTACGTTAGTATCAGTTTCCCTATTGGTACGTCTGGCGTACTTCTGAAACGTGATGGG  
CGGCTGGTTACCCGTATATGGGCTCGGTTGACCTCTATTGGGCGTTGTTGACCCgaatte  
eggaaaaaaaaaaaaaaaaaaaaaactgcagcggtaccagcttccctatagtgagtcgtatta.

Claim 22 (original): A method of providing a control for an assay, said assay comprising providing labeled nucleic acid and hybridizing said labeled nucleic acid to a nucleic acid array, said method comprising spiking said labeled nucleic acid with labeled Tag gene nucleic acid, wherein said nucleic acid array has probes complementary to said Tag gene.

Claim 23 (original): A method according to claim 22 wherein said nucleic acid is RNA.

Claim 24 (original): A method according to claim 22 wherein said nucleic acid is DNA.

Claim 25 (currently amended): A method according to claim 22 wherein said Tag gene is selected from the group consisting of Tags ~~A, B, C, D, E, F, G, H, I, J, N, O, Q, Tag IN, Tag IQ and Tag IQ-EX~~ SEQ ID NOs. 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2059, 2060, 2061, 2062, 2063, 2064, 2065 and 2066.

Claim 26 (original): A method of analyzing the expression of one or more genes, said method comprising:

- (a) providing a pool of target nucleic acids comprising RNA transcripts of one or more of said genes, or nucleic acids derived therefrom using said RNA transcripts as templates;
- (b) providing a spike sample comprising RNA transcribed from a Tag gene or Tag nucleic acids derived from said Tag gene RNA using said Tag gene RNA as template;
- (c) hybridizing said pool of target nucleic acids and said spike sample to an array of oligonucleotide probes immobilized on a surface, said array comprising more than 100 different oligonucleotides, at least some of which comprise control probes and at least some of which comprise probes complementary to said Tag gene or said nucleic acid derived from said Tag gene RNA, wherein each different oligonucleotide is localized in a predetermined region of said surface, the density of said different oligonucleotides is greater than about 60 different oligonucleotides per 1 cm<sup>2</sup>, and at least some of said oligonucleotide probes are complementary to said RNA transcripts or said nucleic acids derived therefrom using said RNA transcripts;
- (d) quantifying the hybridization of said nucleic acids to said array, wherein said quantification is proportional to the expression level of said genes; and
- (e) quantifying the hybridization of said spike sample to said array.



Claim 27 (currently amended): A method according to claim 26 wherein said Tag gene is selected from the group consisting of ~~Tags A, B, C, D, E, F, G, H, I, J, N, O, Q, Tag-IN, Tag-IQ and Tag-IQ-EX~~ SEQ ID Nos. 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2059, 2060, 2061, 2062, 2063, 2064, 2065 and 2066.

Claim 28 (original): A DNA molecule comprising a Tag gene, said Tag gene comprising at least 5 Tag sequences or their complement.

Claim 29 (original): A DNA molecule according to claim 28 wherein said Tag sequences are selected from Seq. Id. Nos. 1-2050.

Claim 30 (currently amended): A DNA molecule according to claim 29 wherein said Tag gene sequences are selected from the group consisting of ~~Tags A, B, C, D, E, F, G, H, I, J, N, O, Q, Tag-IN, Tag-IQ and Tag-IQ-EX~~ SEQ ID Nos. 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2059, 2060, 2061, 2062, 2063, 2064, 2065 and 2066.